Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-01-28-78** **Date: 21/07/2020**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-07-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	21/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	PCC	M20	14/07/2020	21/07/2020	149.79 X 151.84 X 151.43	22745	8.495	423.2	18.6	18.6
2	PCC	M20	14/07/2020	21/07/2020	151.02 X 149.94 X 149.82	22645	8.338	411.5	18.2	
3	PCC	M20	14/07/2020	21/07/2020	149.45 X 149.57 X 149.17	22353	8.874	424.1	19.0	

* The results obtained are satisfactory as per standard requirements.

Note:
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Certificate No.: TC-3510

Format No: CP/TR/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 11/08/2020

Lab ID	:	CP-2021-01-28-78
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-07-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	11/08/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	14/07/2020	11/08/2020	151.35 X 150.52 X 150.13	22781	8.346	534.3	23.5	23.3
2	PCC	M20	14/07/2020	11/08/2020	149.56 X 150.41 X 151.94	22495	8.717	510.3	22.7	
3	PCC	M20	14/07/2020	11/08/2020	151.32 X 149.43 X 150.17	22612	8.606	540.5	23.9	

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CEMENT CONCRETE PRECAST CONCRETE BLOCKS FOR PAVING

Lab ID	:	**CP-2021-01-28-78** **Date: 07-07-20**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, , BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-20
Sample Type/ Size	:	Precast concrete blocks for paving
Reference to BIS codes	:	IS 15658:2006
Date of test	:	02-07-20

1.Compressive Strength

Sl.No.	Dimension (mm)			Compressive Strength	Average
	L	B	T	(N/mm^2)	(N/mm^2)
1	197.22	159.88	75.99	32.5	33.1
2	198.48	159.64	75.25	33.8	
3	199.54	159.54	75.48	32.5	
4	197.68	159.22	75.55	33.5	
5	198.11	159.87	75.32	32.8	
6	198.18	160.02	75.11	33.4	
7	198.45	158.99	75.98	33.2	
8	197.22	159.22	75.12	32.8	

2. Water Absorption

Sl.No.	Wet Weight	Dry weight	Thickness	Water Absorption (%)	Average (%)
1	4.987	4.828	75.85	3.29	3.64
2	4.898	4.721	75.22	3.75	
3	4.988	4.802	75.44	3.87	

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TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	CP-2021-01-28-78 Date: 06-07-20
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-07-20
Type of Mix	:	WMM (Wet Mix Macadam)
Date of Test	:	04-07-20
Oven Dry Weight	:	11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	315	315	2.9	97.1	95-100
22.4	2259	2574	23.4	76.6	60-80
11.2	2179	4753	43.2	56.8	40-60
4.75	2251	7004	63.7	36.3	25-40
2.36	1621	8625	78.4	21.6	15-30
0.6	623	9248	84.1	15.9	8-22
0.075	1338	10586	96.2	3.8	0-5

• The results obtained are satisfactory as per standard requirements.

Note:-
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TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Date: 06-07-20

Lab ID	:	CP-2021-01-28-78
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-07-20
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of Test	:	04-07-20

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	300.2	300.2
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.9	74.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	225.9	225.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.4
5	Aggregate impact value	(B/A)*100	24.6	24.7
6	Aggregate impact value (Mean of two tests)	Percentage	24.6	

• The results obtained are satisfactory as per standard requirements.

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DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-2021-01-28-78** **Date: 06-07-20**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-07-20
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of Test	:	04-07-20

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	12.8%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	12.5%	
Combined Flakiness and Elongation Index for WMM	25.3%	

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2021-01-28-78 Date: 18-06-20
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	*Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division*.
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-06-20
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	16-06-20
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.95	–
2	Finess by Air permeablity method (m^2/kg,Min)	285.4	225m^2/kg, Min
3	Density (gm/cc)	3.13	–
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	150 minutes	Not less than 30 minutes
6	Final Setting time	245 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2021-01-28-78 **Date: 14-07-20**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-06-20
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	16-06-20
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2021-01-28-78** **Date: 18-06-20**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.8	
3	Specific Gravity	2.68	–
4	Bulk Density(Loose) (Kg/l)	1.48	–
5	Bulk Density(Compacted) (Kg/l)	1.52	–
6	Water Absorption(%)	0.22	–

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QC ABSTRACT

NAME OF WORK: Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air penneablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorpion	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	KERB	Core Compressive strength	One Test		1	1
		Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
7	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	RCC(M20)	Compressive Strength(7days and 28days)	4 set /31-50 cum	32.67	8	8
8	RCC(M20)	Compressive Strength(7days and 28days)	3 set /16-30 cum	21.33	6	6
8	PCC(M20)	Compressive Strength(7days and 28days)	6 set /100-150 cum	120	12	12
	WMM	Sieve Analysis	One Test		1	1
		Impact Value	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
	Paver Block	Compressive Strength	One Test		1	1
		Water Absorption	One Test		1	1

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2021-01-28-78** **Date: 17-06-20**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-06-20
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	15-06-20

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	235	235	4.7	95.3	90-100
3	10 mm	2470	2705	54.1	45.9	25-55
4	4.75 mm	2133	4838	96.8	3.2	0-10
5	Pan	162	5000	100	0	–

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2021-01-28-78** **Date: 17-06-20**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	–
2	Specific Gravity	2.59	–
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

Note:

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TEST REPORT OF CEMENT CONCRETE KERB STONE

Lab ID	:	CP-2021-01-28-78 **Date: 06-07-20**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-07-20
Sample Type /Size	:	CC Kerb Stone/ 450*165*400mm
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	01/07/2020

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
1	A	100.01	165.51	2.864	7854	142.1	18.1	18.1	22.6
2	B	100.03	165.49	2.793	7857	145.2	18.5	18.5	23.1
3	C	100.01	165.50	2.815	7854	145.1	18.5	18.5	23.1

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2021-01-28-78 **Date: 01/07/2020**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-06-20
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	01/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	24/06/2020	01/07/2020	150.91 X 149.33 X 149.49	22536	8.495	415.1	18.4	18.6
2	Drain Bottom Slab Concrete	M20	24/06/2020	01/07/2020	150.81 X 151.56 X 149.61	22858	8.338	430.4	18.8	
3	Drain Bottom Slab Concrete	M20	24/06/2020	01/07/2020	149.63 X 149.20 X 149.86	22325	8.874	412.2	18.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-01-28-78** **Date: 04/07/2020**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-06-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	04/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	27/06/2020	04/07/2020	150.97 X 151.43 X 149.71	22861	8.495	415.7	18.2	18.4
2	Drain Side Wall Concrete	M20	27/06/2020	04/07/2020	149.40 X 149.70 X 151.15	22365	8.338	410.3	18.3	
3	Drain Side Wall Concrete	M20	27/06/2020	04/07/2020	151.16 X 151.51 X 150.25	22903	8.874	426.0	18.6	

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Lab ID	:	CP-2021-01-28-78 Date: 04/07/2020
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-06-20
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	04/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	27/06/2020	04/07/2020	150.95 X 151.36 X 151.41	22847	8.495	411.4	18.0	18.3
2	Drain Side Wall Concrete	M20	27/06/2020	04/07/2020	150.20 X 150.63 X 149.92	22625	8.338	420.7	18.6	
3	Drain Side Wall Concrete	M20	27/06/2020	04/07/2020	150.08 X 150.74 X 151.59	22623	8.874	417.0	18.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-01-28-78 Date: 07/07/2020

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : "Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".

Agency : Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 02-07-20

Customer ID : RCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 07/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC	M20	30/06/2020	07/07/2020	150.35 X 150.80 X 149.24	22673	8.495	428.5	18.9	18.6
2	RCC	M20	30/06/2020	07/07/2020	151.29 X 149.14 X 151.03	22564	8.338	414.9	18.4	
3	RCC	M20	30/06/2020	07/07/2020	149.00 X 149.72 X 151.58	22309	8.874	413.8	18.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2021-01-28-78 **Date: 07/07/2020**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-20
Customer ID	:	RCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC	M20	30/06/2020	07/07/2020	151.19 X 151.20 X 151.31	22861	8.495	416.5	18.2	18.4
2	RCC	M20	30/06/2020	07/07/2020	150.68 X 151.92 X 151.47	22892	8.338	433.0	18.9	
3	RCC	M20	30/06/2020	07/07/2020	151.61 X 151.60 X 149.83	22983	8.874	416.7	18.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-01-28-78** **Date: 10/08/2020**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-07-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/08/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
1	PCC	M20	13/07/2020	10/08/2020	149.02 X 149.42 X 149.42	22267	8.346	513.2	23.0	23.0
2	PCC	M20	13/07/2020	10/08/2020	151.55 X 149.91 X 150.77	22719	8.717	508.4	22.4	
3	PCC	M20	13/07/2020	10/08/2020	151.38 X 149.66 X 151.77	22655	8.606	536.3	23.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2021-01-28-78 Date: 11/08/2020
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-07-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	11/08/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	14/07/2020	11/08/2020	150.23 X 150.18 X 149.44	22563	8.346	523.9	23.2	22.8
2	PCC	M20	14/07/2020	11/08/2020	151.29 X 149.27 X 149.50	22583	8.717	497.5	22.0	
3	PCC	M20	14/07/2020	11/08/2020	149.56 X 150.80 X 151.93	22554	8.606	521.5	23.1	

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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2021-01-28-78 Date: 07/07/2020
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-20
Customer ID	:	RCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	07/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC	M20	30/06/2020	07/07/2020	149.57 X 149.53 X 149.92	22364	8.495	403.9	18.1	18.2
2	RCC	M20	30/06/2020	07/07/2020	150.88 X 151.95 X 149.69	22927	8.338	423.3	18.5	
3	RCC	M20	30/06/2020	07/07/2020	151.97 X 151.90 X 149.61	23084	8.874	417.6	18.1	

* The results obtained are satisfactory as per standard requirements.

Note:
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All information furnished by Customer/Representative
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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2021-01-28-78
		Date: 28/07/2020
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-07-20
Customer ID	:	RCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	28/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	RCC	M20	30/06/2020	28/07/2020	149.12 X 151.87 X 150.51	22647	8.346	533.2	23.5	23.2
2	RCC	M20	30/06/2020	28/07/2020	151.26 X 150.01 X 149.99	22691	8.717	502.2	22.1	
3	RCC	M20	30/06/2020	28/07/2020	149.85 X 149.54 X 150.48	22409	8.606	535.6	23.9	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Certificate No.: TC-5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2021-01-28-78
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-07-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/07/2020

Date: 20/07/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	13/07/2020	20/07/2020	149.57 X 150.54 X 149.61	22516	8.495	410.1	18.2	18.5
2	PCC	M20	13/07/2020	20/07/2020	149.90 X 150.09 X 150.51	22498	8.338	417.4	18.6	
3	PCC	M20	13/07/2020	20/07/2020	150.60 X 150.02 X 149.99	22594	8.874	422.2	18.7	

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Authorized Signatory
Quality Manager

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-01-28-78 Date: 10/08/2020

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : "Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".

Agency : Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-07-20

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/08/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	13/07/2020	10/08/2020	150.33 X 151.50 X 150.15	22776	8.346	545.0	23.9	23.5
2	PCC	M20	13/07/2020	10/08/2020	149.78 X 151.02 X 149.76	22620	8.717	510.7	22.6	
3	PCC	M20	13/07/2020	10/08/2020	151.25 X 149.99 X 150.38	22686	8.606	544.3	24.0	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2021-01-28-78** **Date: 10/08/2020**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	"Construction of Street Vendors Zone in Ward No 04 of Yelahanka Satellite Town Sub Division".
Agency	:	Sri. Keerthi N, No:2nd Main Gandhinagara Yelahanka,,Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-02/W.O/35/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-07-20
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/08/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	13/07/2020	10/08/2020	151.02 X 150.46 X 149.81	22721	8.346	538.0	23.7	23.3
2	PCC	M20	13/07/2020	10/08/2020	151.41 X 151.74 X 150.54	22975	8.717	525.4	22.9	
3	PCC	M20	13/07/2020	10/08/2020	150.42 X 149.06 X 149.58	22421	8.606	526.1	23.5	

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ಬ.ಬ.ಎ.ಕ. ಬೆಂಗಳೂರು-106

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